

Purchasing Receipts



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200
Fax 613 632-5246

Plex 10/3/2018 3:39 PM *dart.Tollis.Andrew*



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO041131

Supplier: MCM001-VU
McMaster-Carr Supply Co,
P.O. Box 7690
Chicago, IL 60680-7690 USA
Phone: 330 995 5500
Fax: 330 995 9600

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO041131
PO Date: 9/25/18
Due Date: 10/1/18
Purchase Order Revision:
Revision Date:
Ship-To Contact: Lavoie, Chantal Phone:
clavoie@dartaero.com
Via: Ground
Pymt Terms: 2% 10 Net 30
Freight Terms:
Special Comments:

E-MAILED
SEP 26 2018

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	180796	97787A661		Expandable Pin AS PER DWG D4711 REV. D	Firmed	-	10/1/18	12 Ea	0 Ea	12 Ea	\$114.68/Ea	\$1,376.16

Line Item Note: 09094-QADC416 SAME AS 97787A661

2		MT-NYLON 6-B3.000X4.000-W	8733K243	CAST NYLON BAR 3" X 4" receive ft	Firmed	-	10/1/18	4 ft	0 ft	4 ft	\$94.00/ft	\$376.00
3		1376N22	3 ft	Multipurpose Neoprene Rubber Strip, Adhesive-Back, 2" x 36", 1/32" Thick	Firmed	-	10/1/18	6 ft	0 ft	6 ft	\$4.35/ft	\$26.10

Line Item Note: 2 pcs of 3 ft

4		1376N23	3 ft	Multipurpose Neoprene Rubber Strip, Adhesive-Back, 2" x 36", 1/16" Thick	Firmed	-	10/1/18	6 ft	0 ft	6 ft	\$4.543/ft	\$27.26
							6 ft X OCT 01 2018					

Line Item Note: 2 pcs of 3 ft

5		C45-3-4-1	98410A110 100/pk	Retaining Ring	Firmed	-	10/1/18	200 Ea	0 Ea	200 Ea	\$0.13/Ea	\$26.00
6		4.5NR-50	98381A544 25/pk	Lifter Pin	Firmed	-	10/1/18	25 Ea	0 Ea	25 Ea	\$0.2836/Ea	\$7.09

25 X OCT 01 2018



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Items												
Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
J AC		8695K716	4' lenght	Polyurethane Rod 1.00" DIA. 80A (Hard) Abrasion - resistant Polyurethane Rubber Rod 1" Diameter	Firmed	-	10/1/18	16 ft	16 ft 0 ft	16 ft	\$18.04/ft	\$288.64
												Grand Total: \$2,127.25

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Procurement Quality Clauses

A005 RIGHT OF ENTRY

A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)

A012 CHEMICAL AND PHYSICAL TEST REPORTS

A016 PERSONNEL QUALIFICATION

A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Plex 9/26/18 2:45 PM dart.lavoie.chantal

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO041131
Order Placed By
Chantal Lavoie

Page 1 of 1
09/26/2018

McMaster-Carr Number
1775594-04

Line	Product	Ordered	Shipped
2	8733K243 Cast Nylon Bar, 4" Wide, 3" Thick	4 Feet	4
7	8695K716 Abrasion-Resistant Polyurethane Rubber Rod, 48" Long, 1" Diameter, 80A Durometer	4 Each	1

Shipped separately from our New Jersey warehouse on 09/26

1	97787A661 Expanding Diameter Quick-Release Pin, 1/4" Diameter, 1" Usable Length	12 Each	4
5	98410A110 External Retaining Ring, Beryllium Copper, for 3/16" OD	2 Packs	2
7	8695K716 Abrasion-Resistant Polyurethane Rubber Rod, 48" Long, 1" Diameter, 80A Durometer	4 Each	3

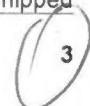
200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
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Canada

Purchase Order
PO041131
Order Placed By
Chantal Lavoie

Page 1 of 1
09/26/2018

McMaster-Carr Number
1775594-02

Line	Product	Ordered	Shipped
7	8695K716 Abrasion-Resistant Polyurethane Rubber Rod, 48" Long, 1" Diameter, 80A Durometer	4 Each	3 

Shipped separately from our Cleveland warehouse on 09/26

1	97787A661 Expanding Diameter Quick-Release Pin, 1/4" Diameter, 1" Usable Length	12 Each	8
2	8733K243 Cast Nylon Bar, 4" Wide, 3" Thick	4 Feet	4
3	1376N22 Multipurpose Neoprene Rubber Strip, Adhesive-Back, with Certificate, 1/32" Thick, 50A Durometer, 2" x 36"	2 Each	2
4	1376N23 Multipurpose Neoprene Rubber Strip, Adhesive-Back, with Certificate, 1/16" Thick, 50A Durometer, 2" x 36"	2 Each	2
6	98381A544 Dowel Pin, Alloy Steel, 1/4" Diameter, 1-1/4" Long	1 Pack	1
7	8695K716 Abrasion-Resistant Polyurethane Rubber Rod, 48" Long, 1" Diameter, 80A Durometer	4 Each	1

Cast Nylon Bar, 4" Wide, 3" Thick

In stock
\$94.00 per ft.
8733K243

Material **Nylon Plastic**
Grade **6**

Fabrication **Cast**

Cross Section Shape **Rectangle**

Construction **Solid**

Texture **Smooth**

Color **Off-White**

Clarity **Opaque**

Thickness **3"**

Thickness Tolerance **0" to +0.025"**

Tolerance Rating **Oversized**

Width **4"**

Width Tolerance **0" to +1/4"**

Length **1 ft., 2 ft.**

Backing Type **Plain**

Hardness **Rockwell R100**

Hardness Rating **Hard**

For Use Outdoors **No**

Temperature Range **-20° to 200° F**

Impact Strength **0.40 ft.-lbs./in.**

Impact Strength Rating **Poor**

Tensile Strength **10,000 psi**

Tensile Strength Rating **Excellent**

Specifications Met **ASTM D5989** Made of FDA Listed Material,
UL 94HB

Density **0.042 lbs./cu. in.**

Coefficient of Friction **0.22**

Cast Nylon Bar, 4" Wide, 3" Thick McMaster-Carr
Dielectric Strength 500V/mil
Water Absorption 0.60%
Coefficient of Thermal Expansion 5×10^{-5} in./in./°F
RoHS Compliant

Use these cast nylon 6 sheets and bars for gears, sprockets, and wear strips. They're lightweight, stiff, and easier to machine than other types of nylon. They have a slippery surface and are an excellent insulator. This material is comparable to Nylatron and Nycast.

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL:

NYLON 6 BAR
ASTM D5989

SPECIFICATION:

PART NUMBER:

MT-NYLON 6-B[H.HHH]x[W.WWW]x[C]

WHERE "H.HHH" = HEIGHT IN INCHES
WHERE "W.WWW" = WIDTH IN INCHES
WHERE "C" = COLOR [W= WHITE] / [B= BLACK]

EG. 1/4" x 2" WHITE BAR = MT-NYLON 6-B0.250x2.000-W

TOLERANCES PER MANUFACTURER SPECIFICATIONS

REV.	DESCRIPTION	DATE	BY	APPROVED
A	NEW ISSUE	17/08/23	VM	VM

1	2	3	4	5	6	7	8
D	C	B	A	D	C	B	A
DART AEROSPACE <small>Headquartered in Ontario, Canada</small>							
NYLON 6 BAR							
REV A							REV A
DATA NO.	MT-NYLON 6-B						
DESIGN BY:	VM 08/09/2017	PRINT & REQS:	VM 08/09/2017	REVISIONS:	VM 08/09/2017	MANUFACTURED:	VM 08/09/2017
CHECKED BY:	VM 08/09/2017	INSTRUMENTS:	VM 08/09/2017	APPROVED:	VM 08/09/2017	TESTED:	VM 08/09/2017
MFG APPROV'D:	VM 08/09/2017	INTERPRETATION:	VM 08/09/2017	APPROVED:	VM 08/09/2017	TESTED:	VM 08/09/2017
QA APPROV'D:	VM 08/09/2017	INTERPRETATION:	VM 08/09/2017	APPROVED:	VM 08/09/2017	TESTED:	VM 08/09/2017
APPROVED:	VM 08/09/2017	INTERPRETATION:	VM 08/09/2017	APPROVED:	VM 08/09/2017	TESTED:	VM 08/09/2017
DATE:	09/09/2017	SCALE:	N/A	WEIGHT:	N/A	SIGNATURE:	1 OF 1
<small>NOTICE: This drawing is the property of DART Aerospace Inc. It is to be used only for the manufacture of parts for DART Aerospace Inc. It is not to be reproduced without written permission from DART Aerospace Inc.</small>							
<small>COPYRIGHT © 2017 BY DART AEROSPACE LTD. ALL RIGHTS RESERVED. THIS DRAWING IS THE PROPERTY OF DART AEROSPACE LTD. IT IS NOT TO BE COPIED OR USED WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.</small>							
<i>E.C.E.U. 17-147</i>							

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-NYLON 6-R3.000x4.000-W PO / BATCH NO.: P0041131/S115713
 DATE: 18/10/03

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 4ft
 QUANTITY INSPECTED: 4ft
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 3.000"
 THICKNESS RECEIVED: 3.000"
 SHEET SIZE ORDERED: -
 SHEET SIZE RECEIVED: -

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<u>Y</u> <u>N</u>	
CORRECT FINISH	<u>Y</u> <u>N</u>	
CORROSION	<u>Y</u> <u>N</u>	
CORRECT GRAIN DIRECTION	<u>Y</u> <u>N</u>	
CORRECT MATERIAL PER M-DRAWING	<u>Y</u> <u>N</u>	<u>ASTM D5989</u>
CORRECT THICKNESS	<u>Y</u> <u>N</u>	
PHOTO REQUIRED	<u>Y</u> <u>N</u>	
CORRECT REF # TO LINK CERT	<u>Y</u> <u>N</u>	<u>P0041131</u>
CORRECT MATERIAL IDENTIFICATION	<u>Y</u> <u>N</u>	
CORRECT M# ON THE MATERIAL	<u>Y</u> <u>N</u>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<u>Y</u> <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<u>Y</u> <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u>	SIGNED OFF BY: _____
DATE: <u>18/10/03</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

Abrasion-Resistant Polyurethane Rubber Rod

48" Long, 1" Diameter



\$72.16 Each
8695K716



Shape	Rod
Material	Polyurethane
Texture	Smooth
Diameter	1"
Diameter Tolerance	-0.025" to +0.025"
Length	48"
Length Tolerance	-0.25" to +0.25"
For Use Outdoors	Yes
Temperature Range	-20° to 200° F
Color	Black
Durometer	40A (Medium Soft), 60A (Medium Hard), 75D (Extra Hard), 80A (Hard), 90A (Extra Hard), 95A (Extra Hard)
Durometer Tolerance	-5 to +5
RoHS	Compliant

Stronger than natural rubber, these polyurethane rods combine the shock-absorbing qualities of rubber with the tear resistance of plastic. Use them to seal narrow spaces such as channels.

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 8695K716
 DATE: 18/10/03

PO / BATCH NO.: P0041131/5115714

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 16ft
 QUANTITY INSPECTED: 16ft
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000"
 THICKNESS RECEIVED: 1.000"
 SHEET SIZE ORDERED: -
 SHEET SIZE RECEIVED: -

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	P0041131
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AJ</u>	SIGNED OFF BY: _____
DATE: <u>18/10/03</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in